Please Amend Claims 1-12 as follows:

1. (Currently Amended) An OFDM receiver ~~characterized in that the OFDM receiver comprises~~ comprising:

at least four antennas ~~or more for receiving~~to receive an OFDM modulated high frequency signal~~, and~~; and

a plurality of OFDM ~~demodulating means for inputting~~ demodulators to each of which a base band signal of a time area thereto based on ~~the basis of~~ the high frequency signal is input and ~~outputting the~~ from each of which a base band signal of a frequency area is output,

wherein the OFDM ~~demodulating means~~demodulators are arranged ~~every~~ in plural antenna groups, each antenna group containing at least ~~with~~ two ~~or more~~ of the antennas ~~as one group~~, ~~and~~

a first phase shifter is arranged on ~~the~~ a former stage side of each of the OFDM ~~demodulating means~~demodulators, ~~and~~ a second phase shifter is arranged at ~~the~~ a latter stage of ~~another~~ a second OFDM demodulator ~~demodulating means except for~~that is different from a specific OFDM ~~demodulating means~~demodulator among the OFDM ~~demodulating means~~demodulators, ~~and~~ a signal is diversity-synthesized by the first phase shifter until the base band signal of the time area is inputted to each of the OFDM ~~demodulating means~~demodulators, and the base band signal of the frequency area is diversity-synthesized by the second phase shifter.

2. (Currently Amended) The OFDM receiver according to claim 1, wherein the base band signal of the time area based on the high frequency signal is received by a specific antenna in each of the antenna groups, and the base band signal of the time area based on the high frequency signal is received by ~~another~~ a second antenna ~~except for~~different from the specific antenna are diversity-synthesized by the first phase shifter.

3. (Currently Amended) The OFDM receiver according to claim 2, wherein a receiving portion ~~for~~ that frequency-~~converting~~ converts the high frequency signal to an intermediate frequency signal~~,~~ and an A/D converter ~~for~~

that ~~converting~~ converts the intermediate frequency signal to a digital signal and ~~outputting~~ outputs the base band signal of the time area are arranged ~~every~~ for each of the antennas, and the first phase shifter is arranged at ~~the~~ a next stage of the A/D converter corresponding to the ~~another~~ second antenna, and a first adder is arranged between the first phase shifter and the A/D converter corresponding to the specific antenna.

4. (Currently Amended) The OFDM receiver according to claim 1, wherein ~~the~~ an intermediate frequency signal based on the high frequency signal received by ~~the~~ a specific antenna in each of the antenna groups, and ~~the~~ an intermediate frequency signal based on the high frequency signal received by ~~another~~ a second antenna ~~except for~~ different from the specific antenna are diversity-synthesized by the first phase shifter.

5. (Currently Amended) The OFDM receiver according to claim 4, wherein a receiving portion ~~for~~ that frequency-~~converting~~ converts the high frequency signal to the intermediate frequency signal is arranged ~~every~~ for each of the antennas, and the first phase shifter is arranged at ~~the~~ a next stage of the receiving portion corresponding to the ~~another~~ second antenna, and a first adder is arranged between the receiving portion corresponding to the specific antenna and the first phase shifter.

6. (Currently Amended) The OFDM receiver according to claim 1, wherein the high frequency signal received by ~~the~~ a specific antenna in each of the antenna groups, and the high frequency signal received by ~~another~~ a second antenna ~~except for~~different from the specific antenna are diversity-synthesized by the first phase shifter.

7. (Currently Amended) The OFDM receiver according to claim 6, wherein the first phase shifter is connected to the ~~another~~ second antenna, and a first adder is arranged between the specific antenna and the first phase shifter.

8. (Currently Amended) The OFDM receiver according to claim 3, ~~wherein~~ further comprising a power ~~detecting means for detecting~~ detector to detect electric power of the base band signal of the time area~~,~~ and a phase

~~control means for controlling~~controller to control phase setting of the first phase shifter ~~so as~~ to maximize the electric power ~~are arranged~~.

9. (Currently Amended) The OFDM receiver according to claim 5, ~~wherein~~ further comprising a power ~~detecting means for detecting~~ detector to detect electric power of the base band signal of the time area~~,~~ and a phase ~~control means for controlling~~controller to control phase setting of the first phase shifter ~~so as~~ to maximize the electric power ~~are arranged~~.

10. (Currently Amended) The OFDM receiver according to claim 7, ~~wherein~~further comprising a power ~~detecting means for detecting~~ detector to detect electric power of the base band signal of the time area, and a phase ~~control means for controlling~~controller to control phase setting of the first phase shifter ~~so as~~ to maximize the electric power ~~are arranged~~.

11. (Currently Amended) The OFDM receiver according to claim 1, wherein the second phase shifter is arranged at ~~the~~ a next stage of the ~~another~~ second OFDM ~~demodulating means~~demodulators, and a second adder is arranged between the specific OFDM ~~demodulating means~~demodulators and the second phase shifter.

12. (Currently Amended) The OFDM receiver according to claim 11, wherein the OFDM receiver further comprises a phase ~~control means for controlling~~controller to control phase setting of the second phase shifter such that ~~the~~ a phase of the base band signal of the frequency area outputted from the second phase shifter is conformed to ~~the~~ a phase of the base band signal of the frequency area outputted from the specific OFDM ~~demodulating means~~demodulator.